

Application No.: 09/811,994
Amendment Dated: March 29, 2006
Reply to Office Action of: December 29, 2005

INTHECLAIMS:

Please amend the claims as indicated. A complete set of the claims is included below, reflecting added subject matter (*underlining*) and deleted subject matter (*strikethrough*), as well as the current status of each claim. This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A communication protocol comprising the steps of:
 - a) a sending application resident on a first computer system ~~selecting a transport mechanism and~~ passing data having a first data type to a first utility program resident on said first computer system;
 - b) said first utility program adding a token, a first category type identifier corresponding to said first data type, and a first data type identifier corresponding to said first data type, to said data to form an information packet and ~~then, transparently wherein said first utility program selects a transport mechanism to transmit said information packet to a second computer system, said transport mechanism transparent to said sending application, using said transport mechanism to transmit said information packet to a second computer system;~~
 - c) a second utility program, resident on said second computer system, locating said first data type identifier and said first category type identifier in said information packet using said token;
 - d) said second utility program indexing a relevant one of a plurality of category types corresponding to said first category type identifier of an application registry with said first data type identifier to determine a destination application that is associated with said first data type identifier; and
 - e) supplying said data to said destination application.
2. (Original) A communication protocol as described in Claim 1 wherein said first computer system and said second computer system are portable computer systems.

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3. (Original) A communication protocol as described in Claim 1 wherein said first computer system and said second computer system are hand-held portable computer systems.
4. (Original) A communication protocol as described in Claim 1 wherein said transport mechanism is substantially compliant with the Short Messaging Service (SMS) standard.
5. (Original) A communication protocol as described in Claim 1 wherein said transport mechanism includes the use of a GSM wireless communication device.
6. (Previously Presented) A communication protocol as described in Claim 1 wherein said plurality of category types comprise: an Extension category; a MIME type category and an Application Creator category.
7. (Previously Presented) A communication protocol as described in Claim 6 wherein said first category type identifier is a numeric value.
8. (Currently Amended) A transport-independent communication protocol between computer systems comprising the steps of:
 - a) a sending application resident on a first computer system ~~selecting a wireless transport mechanism and passing data having a given data type to a first utility program resident on said first computer system;~~
 - b) said first utility program adding a token, a first category type identifier corresponding to said given data type, and a first data type identifier corresponding to said given data type, to said data to form an information packet and then, wherein said first utility program selects a wireless transport mechanism to transmit said information packet to a second computer system, said wireless transport mechanism transparent~~transparently~~ to said sending application, using said wireless transport mechanism to transmit said information packet to a second computer system;

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c) a second utility program, resident on said second portable computer system, locating said first data type identifier and said first category type identifier in said information packet using said token;

d) said second utility program indexing a relevant one of a plurality of category types corresponding to said first category type identifier of said application registry with said first data type identifier to determine a destination application that is associated with said first data type identifier; and

e) supplying said data packet to said destination application.

9. (Original) A communication protocol as described in Claim 8 wherein said first portable computer system and said second portable computer system are hand-held portable computer systems.

10. (Original) A communication protocol as described in Claim 8 wherein said wireless transport mechanism is substantially compliant with the Short Messaging Service (SMS) standard.

11. (Original) A communication protocol as described in Claim 10 wherein said wireless transport mechanism includes the use of a GSM wireless communication device.

12. (Previously Presented) A communication protocol as described in Claim 8 wherein each of a plurality of category type identifiers is a unique numeric value.

13. (Currently Amended) A communication system comprising:

a sending application resident on a first computer system for ~~selecting a transport mechanism and~~ passing data having a first data type to a first utility program resident on said first computer system;

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said first utility program for adding a token, a first category type identifier corresponding to said first data type, and a first data type identifier corresponding to said first data type, to said data to form an information packet ~~and then wherein said first utility program selects a transport mechanism to transmit said information packet to a second computer system, said transport mechanism transparent to said sending application, for~~ using said transport mechanism to transmit said information packet to a second computer system;

an application registry resident on said second computer system and comprising a mapping of each of a plurality of data type identifiers to one of a plurality of applications that are registered for each of a plurality of data types, wherein said plurality of data types identifiers are organized by a plurality of category types; and

a second utility program, resident on said second computer system, for locating said first data type identifier and said first category type identifier in said information packet using said token and for indexing a relevant one of a plurality of category types corresponding to said first category type identifier of said application registry with said first data type identifier to determine a destination application that is associated with said first data type identifier.

14. (Original) A communication system as described in Claim 13 wherein said first computer system and said second computer system are portable computer systems.

15. (Original) A communication system as described in Claim 13 wherein said first computer system and said second computer system are hand-held portable computer systems.

16. (Original) A communication system as described in Claim 13 wherein said transport mechanism is substantially compliant with the Short Messaging Service (SMS) standard.

17. (Original) A communication system as described in Claim 13 wherein said transport mechanism includes the use of a GSM wireless communication device.

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18. (Original) A communication system as described in Claim 17 wherein said transport mechanism includes the use of a GSM wireless communication device.

19. (Previously Presented) A communication system as described in Claim 13 wherein said plurality of category types comprise: an Extension category; a MIME type category and an Application Creator category.

20. (Previously Presented) A communication system as described in Claim 19 wherein said first category type identifier is a numeric value.

21. (Currently Amended) A method of communicating between a source application executing on a first processing device and a destination application executing on a second processing device, the method comprising:

passing data selecting a transport mechanism, by the sending application, and passing said data having a first data type to a first utility program resident on the first processing device;

adding, by the first utility program, a token, a first category type identifier corresponding to the first data type, and a first data type identifier corresponding to the first data type, to the data to form an information packet and, wherein said first utility program selects a transport mechanism to transmit said information packet to a second computer system, said transport mechanism transparent to the sending application, using the transport mechanism to transmit the information packet to the second processing device;

locating, by a second utility program resident on the second processing device, the first data type identifier and the first category type identifier in the information packet by using the token;

indexing, by the second utility program, a relevant one of a plurality of category types corresponding to the first category type identifier of a registry with the first data type identifier to determine the destination application associated with the first data type identifier; and

supplying the data to the destination application.

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22. (Previously Presented) The method of claim 21, wherein the plurality of category types comprise an extension category, a MIME category, and an application creator category.

23. (Currently Amended) A machine-readable medium comprising instructions for a processor, the machine-readable medium comprising:

instructions for a sending application to ~~select a transport mechanism and~~ pass data having a first data type to a first utility program resident on a same processing device as the sending application;

instructions for adding, by the first utility program, a token, a first category type identifier corresponding to the first data type, and a first data type identifier corresponding to the first data type, to the data to form an information packet and, wherein said first utility program selects a transport mechanism to transmit said information packet to a second computer system, said transport mechanism transparent to the sending application, using the transport mechanism to transmit the information packet to a second processing device;

instructions for a second utility program to locate a second data type identifier and a second category type identifier in a received information packet from a third processing device based on first locating a second token in the received information packet;

instructions for the second utility program to index a relevant one of a plurality of category types corresponding to the second category type identifier of a registry with the second data type identifier to determine a destination application associated with the second data type identifier; and

instructions for supplying data included in the second information packet to the destination application.